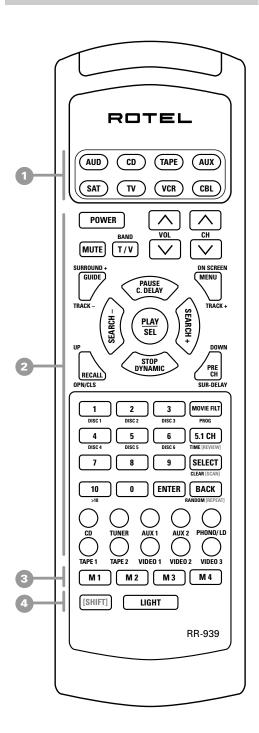


RR-939 Remote Control Owner's Manual



#### Introduction

Thank you for purchasing the RR-939 Universal Remote Control. It is designed to operate all current Rotel products as well as a wide range of popular audio and video components from other manufacturers. You will find that the RR-939 Remote Control is a significant improvement over conventional remotes in overall convenience and ease of operation.

Please take a few moments to read this user guide. You'll find the time well spent as it will significantly shorten your search for remote control sanity.

#### Some Preliminary Precautions

- The RR-939 is surprisingly rugged but it is not indestructible. So please don't drop it — particularly not on a concrete floor! With normal care, the RR-939's low maintenance design will let you enjoy its convenience for years to come.
- When the RR-939 needs a bit of cleaning, use a soft, lint-free damp cloth.
- Above all, don't try to take the RR-939 apart. There isn't anything inside you can fix anyway and disassembly will void the warranty.

#### **Battery Installation**

Remove the RR-939 and the package of 4 AAA batteries from the packing material. Turn the RR-939 over and lift the cover off the battery compartment by compressing the release tab and lifting up.

Place the four AAA batteries inside (follow the polarity drawing on the bottom of the compartment) and replace the cover. MAKE SURE you install the batteries correctly!

### Using the RR-939

The RR-939 can replace up to eight different remote controls. Stored in memory are control codes to operate your specific audio/video components, selected from hundreds of models in the RR-939's extensive database. Programming the RR-939 to operate your components takes just minutes and need only be done once. See the PROGRAMMING section of this manual for easy to follow instructions.

Once the programming is complete, you select a component with the press of a button and turn the RR-939 into the remote control for your Rotel CD player or your Sony TV set or your Panasonic video recorder. Then, you simply press command buttons that duplicate the functions on the remote that came with your component.

To get started, look at the layout of the RR-939 and the following operating instructions:

#### Device Buttons



Eight buttons at the top of the RR-939 determine which set of commands is currently active. For example, if you press the AUDIO button (labeled AUD), the RR-939 becomes the remote control for your Rotel Surround Sound Processor. If you press the TV button, the RR-939 becomes the remote control for your TV set.

These buttons are also used in programming the RR-939. See the PROGRAMMING section below for details.

#### Command Buttons 2



This large group of buttons duplicates the functions on the remote controls for your audio/video components. A general description of these functions follows. Detailed information on the specific function of each button can be found in the CONTROL COMMANDS tables at the back of this manual.

At the top of this group of buttons are basic controls such as Power, Volume, Channel Selection, etc.

Below these is a group of buttons that duplicate the transport functions on a tape recorder or VCR (Stop. Play. Pause, etc.) as well as the Up and Down commands that might be found on a cable or satellite TV receiver.

The next group of buttons duplicates the numeric keypad buttons such as might be used for direct track selection on a CD Player or direct channel selection on a TV set. Included in this section are special command buttons providing functions found on various components.

At the bottom of this group of buttons are ten round source selection buttons labelled CD, TUNER, TAPE, etc. These duplicate the source input selection buttons on a receiver, preamplifier, or surround sound processor. The function of these buttons is not the same as the DEVICE buttons at the top of the remote control. The DEVICE buttons determine which command set is active on the RR-939. The source select COMMAND buttons switch inputs on the audio/video component being controlled.

To operate the RR-939:

Step One: Press a DEVICE button to activate the commands for the desired component. This command set will remain active until you press a different DEVICE button.

Step Two: Press COMMAND buttons to operate the component you have selected.

Remember that the COMMAND buttons duplicate many controls on many different types of audio/video components and their function may vary depending on the type of component selected. For example, the PLAY/SELECT button engages the play mode on a CD Player, but it duplicates the SELECT function on a cable TV converter.

Note: The RR-939 tells you which command set is active. Each time you press a COMMAND button, the active DE-VICE key blinks red to tell you which component you are controlling. If the COMMAND button that you press has no function in the active command set (for example, the numeric keys in VCR mode), no DEVICE button will blink, indicating that the COMMAND button is inactive.

The COMMAND buttons are labelled, often with multiple labels if the button serves different purposes for different kinds of components. As long as you remember that pressing a DEVICE button turns the RR-939 into, for example, a CD player remote control or a VCR remote control, the functions of each button should be intuitive. Tables listing the function of each button for each type of component can be found in the back of this manual.

A few buttons have a second function, activated by pressing and releasing the SHIFT button before pressing the COMMAND button, as described below.

#### Macro Buttons 3



A macro is a series of individual commands triggered by pressing one button. Macros make operating a complex home entertainment system much easier. For example, think of playing a videotape: You turn on the TV, turn on the VCR, select the TV input connected to the VCR, and, finally, put the VCR into Play mode. That's four separate commands — and it may take you as many as six pushes on various buttons to execute them. A macro makes this simpler by executing all the needed commands with just one push of a button.

There are five MACRO buttons on the RR-939 – the four buttons labeled M1, M2, M3, and M4, along with the POWER button. A sequence of up to eight different com-

mands can be memorized to be replayed automatically with the press of a MACRO button. See the section, PRO-GRAMMING MACROS, for more detailed information.

**Note:** Macro buttons are available only in the AUD, SAT, and CBL modes. However, you can include switching to a different DEVICE mode as part of a macro, in order to operate other components.

To replay a MACRO, first activate one of the DEVICE modes (AUD, SAT, and CBL only). Then, press the desired MACRO button. If a macro has been programmed for that button, the RR-939 will replay the memorized sequence of commands and the DEVICE button will blink red for each command. If no macro has been programmed, or if macros are not available in that DEVICE mode, nothing will happen and no DEVICE buttons will blink.

#### Special Buttons 4



There are two special function buttons at the bottom of the RR-939 remote.

The LIGHT button turns on backlighting so you can see the buttons in a dark room. The lights stay on for 7 seconds and will stay on for an additional 7 seconds each time another button is pressed.

The SHIFT button activates additional commands for some buttons. These functions are shown in italics on the illustrations and in the command tables at the back of this manual. To activate one of these commands, press and release the SHIFT button and then press the desired COMMAND button.

### **Programming**

The RR-939 can replace up to ten different remote controls, one for each of the eight DEVICE buttons. Before you use it, you must program the RR-939, i.e. tell it which audio/video components you wish it to control.

The RR-939 contains hundreds of command sets for various A/V components. Programming the remote involves selecting the command sets that correspond to the components in your system, and assigning them to the eight DEVICE buttons by entering a three digit code. This need only be done once during initial set-up of the RR-939.

The easiest way to proceed is to find your components and corresponding three-digit codes from the list of codes at the end of this manual. If your component is not listed, there is an alternative auto-search method for finding the right command set.

#### Three Digit Code Programming

Find your audio/video component in the list at the end of this manual and note the 3-digit code(s):

Step One: Turn on the component you wish to memorize.

Step Two: Press the corresponding DEVICE button (for example, if you are memorizing the command set for a CD player, press the CD DEVICE button at the top of the RR-939). While pressing the DEVICE button, simultaneously press the MUTE button and hold both for at least one second. The DEVICE key will light in red for 20 seconds, indicating that you have entered the program mode. The next step must be done within this 20 second period, or the RR-939 will revert to its standard operating mode.

Step Three: Point the RR-939 at the audio/video component and enter the 3-digit code, using the numeric buttons. The DEVICE key will flash each time you enter a digit. If you have entered the correct code, the component will turn off. If there is more than one 3-digit code for your brand of source component, continue entering additional 3-digit codes from the list until the component turns off, indicating that you have found the right one.

Step Four: Store the code number by pressing the corresponding DEVICE button again. The button will blink twice to confirm the storage of the code in memory.

Step Five: Test the COMMAND buttons, using the tables at the back of this manual as a reference for the available functions. If the functions do not work correctly, repeat the above steps, with the next available 3-digit code from the list for your brand of component.

Repeat the steps above for each of up to eight components, assigning each one to the appropriate DEVICE key.

#### **Auto-Search Programming**

If the code table does not provide a 3-digit code or if none of the code numbers assigned to your brand of component work, use the following auto-search method to find a code number that will operate your components.

**Step One:** Turn on the component you wish to operate.

**Step Two:** Press the corresponding DEVICE button and the MUTE button, simultaneously for one second or more. The LED will light for 20 seconds.

Step Three: Press and hold the CH UP or CH DOWN button. This sends a succession of Power ON/OFF code signals that are stored in memory. Stop pressing the CH button as soon as the component turns off, signifying that you have found a code set that operates that component.

**Step Four:** Press the DEVICE button to store the code set you have found. The button will blink twice to confirm that you have stored the code.

**Step Five:** Test the remote control functions. If any do not work properly, repeat the preceding steps until you find the right code.

#### **Displaying a Code Number**

To find out which 3-digit code is currently stored on a DE-VICE button:

Step One: Press the DEVICE button and the MUTE button simultaneously for one second or more. The DEVICE button will light red for 20 seconds.

Step Two: Press the RECALL button. The DEVICE button will blink a number of times, indicating the first digit in the code, followed by a one second interval with the light off, followed by a number of blinks indicating the second digit, followed by another interval, followed by blinks indicating the third digit. For example, one blink, three blinks, and eight blinks, with one second intervals in between, represents the 3-digit code number 138.

**Note:** The number ZERO in a 3-digit code is represented by 10 blinks.

### Macro Programming

There are five MACRO buttons – the four labeled M1, M2, M3, and M4 plus the POWER button. When the RR-939 is in the AUDIO, SAT, or CABLE mode, the macro buttons can store and replay a sequence of up to 8 commands.

To memorize a macro sequence:

Step One: Press a DEVICE button (AUD, SAT, or CBL only) and the MUTE button simultaneously for at least one second. The DEVICE button will light red for 20 seconds.

Step Two: Press the MACRO button you wish to program.

**Step Three:** Press a sequence of commands (up to 8) that you wish to store. Pressing a DEVICE button to change modes during the sequence counts as one command.

**Step Four:** Press the CH UP button to store the macro sequence. The DEVICE button will blink twice to confirm.

**Note:** Because the POWER button can be used as a MACRO button, the normal Power On/Off commands are temporarily stored on the MUTE button during the macro learning sequence. To include a power on/off command in a macro, simply press the MUTE button.

To erase a previously stored macro sequence, follow the above steps, skipping Step 3 without entering any commands, i.e. memorize a blank macro.

## Volume Punch Through

It may be desirable to have the AUDIO or TV volume commands available at all times. For example, when using the RR-939 to control your CD player, you might want the VOL-UME buttons (which would normally be inactive in CD mode) to change the volume of your preamp or surround sound processor. This feature, called Volume Punch Through, can be used to make the volume commands from either the AUDIO or TV device mode available in other device modes.

To set-up the Volume Punch Through feature:

Step One: Press the DEVICE button (the device you wish to transfer the volume function to) and the MUTE button simultaneously for at least one second.

Step Two: Press the VOLUME UP button.

Step Three: Press the AUDIO or TV DEVICE button (the device you wish to transfer the volume function from). The DEVICE button will blink twice to confirm

**Example:** To have the AUDIO volume command prevail in the VCR mode, press the VCR DEVICE button in Step One and the AUDIO DEVICE button in Step 3.

### Mapping a Component to Another Device Button

In some systems, you may need to program one command set to another DEVICE button. For example, if you have two CD players, you may wish to use the SAT DEVICE button to store and activate commands for a second CD player. To reassign device codes to another button:

Step One: Press the new DEVICE button where you wish to store the command set and the MUTE button simultaneously for at least one second.

Step Two: Press the DEVICE button corresponding to the command set you wish to transfer in order to access the command sets for that type of component.

Step Three: Enter the 3-digit code for the audio/video component you wish to transfer.

Step Four: Press the DEVICE button where you wish to store the command set. It will blink twice to confirm.

**Example:** To store CD commands on the SAT DEVICE button, press the SAT DEVICE button in Steps One and Four. Press the CD DEVICE button in Step Two.

### 3-Digit Code List

#### **Audio Codes**

Rotel RSP975	001
Rotel RTC975	001
Rotel RSX965	001
Rotel RA985	001
Rotel RC995	001
Rotel RC972	001
Rotel RSP985	002
Rotel RSP980	002
Rotel RTC970	002
Rotel RT940	002
Rotel RTC940	003
Rotel RTC950	003
Rotel RX950	003
Rotel RMZ955	004

#### CD Codes

Rotel RCD931	001
Rotel RCD951	001
Rotel RCD971	001
Rotel RCD991	001
Rotel RCD950	001
Rotel RCC945	001
Rotel RCC955	001
Rotel RCD970	002
Rotel RCD975	002
Rotel RCD855	002
Rotel RCD865	002
Rotel RCD955	002
Rotel RCD965	002
Rotel RCD945	002
Rotel RCC935	003
Rotel RCC940	003
Rotel RCD990	004
Rotel RMZ955	005

#### **TAPE Codes**

Rotel RD960	001				
Rotel RMZ955	003				
Denon	011	012			
Pioneer	004	007	800		
Pioneer (LD)	002				
Yamaha	005	006	009		
DVD Codes					

Denon	001
LG	010
Mitsubishi	002
Panasonic	003
Pioneer	004
Proscan	005
RCA	006
Samsung	011
Sony	007
Toshiba	800
Yamaha	009

#### **SAT Codes**

GE	001
Alphastar	007
Echostar	006
Hitachi	011 012
Hughes	003
Panasonic	013
Primestar	002 005
RCA	001
Sony	004
Toshiba	008
Uniden	009 010

#### **CABLE Codes**

Pioneer	001	002	003
Americast	005		
Jerrold	006	007	
Scientific-Atlanta	004		
Tocom	010		
Zenith	800	009	

TV Codes	;	Memorex Metz	004 007 072 088	TMK Toshiba	004 015 030 040 062	MGA 045 046 059 Minolta 004 020	
A Mark	112	MGA	001 004 024 042	IUSIIIDA	101	Mitsubishi 004 020 046 0	51
Admiral	072 081 161	Minerva	088	Totevision	143	059 061 142	•
Akai	001 146	Mitsubishi	004 024 040 042	Universal	008 009	MTC 034 040	
Ampro	073 167		109 146	Video Concepts	146	Multitech 024 034	
Anam	043 054 055 056	MTC	001 004 062 101	Vidikron	174	NEC 012 023 043 04	48
	080 104 108 112	NAD	015 025	Vidtech	004	Nordmende 043	
	118 121	NEC	001 019 024 040 056 130 134	Wards	004 008 009 019 028 060 061 063	Optonica 053 054 Panasonic 070 133 140	
AOC	001 004 058 112	Nikei	043		064 072 074 164	Pentax 004 020 031 00	63
Candle Capehart	001 002 003 004 058	Onking	043	Yamaha	004	Philco 031 034 067	UJ
Cetronic	043	Onwa	043	York	004	Philips 031 034 054 00	67
Citizen	001 002 003 004	Optonica	019 081	Yupiteru	043	101 162 166 10	
01112011	101 143	Panasonic	034 056 080 164	Zenith	072 073 095 103	168 169 170 17	71
Classic	043	Philco	001 003 004 024	Zonda	112	Pilot 101	
Concerto	004		056 059 060 063 064 127 143 164			Pioneer 004 021 048	
Contec	043 051	Dhiling	001 003 004 005	VCR Code	es	Portland 108	
Coronado	143	Philips	038 059 093 164			Pulsar 072	
Craig	054		180 181 182 183	Aiwa	034	Quartz 014 RCA 004 020 034 04	<b>4</b> 0
Crown	143		184 185 186 187	Akai	043 046 124 142 146	041 107 109 14	
Curtis Mathes CXC	001 004 101 143 043	n:	188 189 190 192	Ampro	072	144 147	
Daewoo	043 004 055 103 111	Pioneer	004 018 023 025 135 176	Anam	031 103	Realistic 001 008 010 0	
Daewoo	114 127 143	Portland	004 143	Audio Dynamics	012 023 043	031 034 040 09	53
Daytron	004 143	Proscan	144 160 161 167	Broksonic	035 037 129	054 101 Ricoh 058	
Dynasty	043	Proton	004 058 143 171	Canon	028 031	Runco 072	
Dynatech	062		173	Capehart	108	Salora 014	
Electrohome	024 143	Quasar	034 056	Craig	001 040 135	Samsung 017 040 107 10	09
Emerson	001 004 005 028	Radio Shack	004 019 047 127	Curtis Mathes	031 041	113 115 124	
	043 047 048 051 096 143 151 153	DO.4	143	Daewoo	007 010 017 065 108 111	Sansui 043 048 135	
	154 155	RCA	001 004 023 024 056 065 074 144	Daytron	108	Sanyo 001 007 010 0	14
Fisher	007 057		152 156 160 161	DBX	012 023 043	040 134	
Funai	028 043	Realistic	007 019 047	Dynatech	034 053	Scott 017 037 129 13 Sears 001 004 008 00	
Futuretech	043	Runco	072 169	Electrohome	059	Sears 001 004 008 00 010 014 017 02	
GE	004 008 009 034	Sampo	001 004 058	Emerson	006 017 025 027	081 101	
	056 073 074 091 130 144 155 160	Samsung	004 101 127 133		029 031 034 035	Sharp 031 054	
	161	C	143 160		036 037 046 101 129 131 138 153	Shintom 024	
Goldstar	004 106 110 112	Sanyo	007 020 021 033 053 057 082	Fisher	001 008 009 010	Sony 001 009 031 09	52
	113 119 127 143	Scott	004 028 043 048	Funai	034	056 057 058	
Grundig	203 204 205 207		143	GE	031 063 072 107	Soundesign 034 STS 004	
	209	Sears	004 007 015 028		109 144 147	Sylvania 031 034 059 00	67
Hallmark	004		030 057 082 094	Go Video	132 136	Symphonic 034	
Hitachi	004 007 010 011 012 023 075 143	Cham	143 160 004 014 019 022	Goldstar	004 012 020 101	Tandy 010 034	
	158 163	Sharp	028 143 175	Harman Kardon	012 045	Tatung 043	
Infinity	164	Signature	072	Hitachi	018 026 034 043 063 137 150	Teac 034 043	
Inkel	129	Sony	070 085 126 139	Instant Replay	031	Technics 031 070	
JBL	164	Soundesign	003 004 028 043	JCL	031	Teknika 031 034 101	
JCP	001	Spectricon	112	JCPenny	004 012 040 101	Thomas 034	
JCPenny	004 008 024 030	SSS	004 043	Jensen .	043	Thomson 177 178	
Jensen	065 101 143 160 013	Supre Macy	002	JVC	012 031 043 048	TMK 006 Toshiba 004 008 017 0	
JVC	034 038 070 083	Sylvania	001 003 059 060 063 064 127 160		055 060 130 150	082 131	ວອ
Kenwood	001 070		164	Kenwood	152	Totevision 040 101	
Kloss	002 059	Symphonics	052	Lloyd	014 034 048 034	Unitech 040	
KTV	043 143 154	Tandy	081	LXI	001 004 009 017	Vector Research 012	
Lodgenet	072	Tatung	056 062		034	Victor 048	
Logik	072	Technics	034 080	Magin	040	Video Concepts 012 034 046 14	41
Luxman	004	Techwood	004	Magnavox	031 034 041 067	Videosonic 040	
LXI	007 015 052 081	Teknika	002 003 004 024		068	Wards 001 004 017 02	
Magnayer	160 164		028 043 072 101 143	Marantz	012 031 067 069	031 034 040 09 054 131	วว์
Magnavox	001 003 004 022 059 060 061 063	Telerent	072	Marta	101	Yamaha 012 034 043	
	064 127 164	Tera	172	Matsui MEI	027 030 031	Zenith 034 048 056 09	58
Marantz	001 164	Thomson	194 195 196 197	Memorex	031 001 010 014 031	072 080 101	-
Matsui	164		198 199 200 201		034 040 053 072		
					101 134 139		

### **Rotel Control Commands**

Remote	RTC975/RSP975	RSP985	RTC940/950	
Control	RSX965/RA985	RSP980	N1 G340/330	
Button	RC995/972	RT940/RTC970		
Dutton	AUDIO 001	AUDIO 002	AUDIO 003	
POWER	Power	Power	Power	
VOL+	Volume +	Volume +	Volume +	
VOL –	Volume –	Volume –	Volume –	
MUTE	Mute	Mute	Mute	
PLAY		-		
STOP	Dynamic			
SEARCH -		_		
SEARCH +		+		
PAUSE	C. Delay			
RECALL	Recall	Up		
GUIDE	Surround +	Surround +		
MENU	On Screen	Menu		
PRE CH	Sur. Delay	Down		
T/V	Band	Band	Band	
CH +	Tuning +	Tuning +	Tuning +	
CH –	Tuning –	Tuning –	Tuning –	
0	0	0		
1	1	1	1	
2	2	2	2	
3	3	3	3	
4	4	4	4	
5	5	5	5	
6	6	6	6	
7	7	. 7	7	
8	8	8	8	
9	9	9		
10		10	Plus 8	
ENTER	Out. Balance	Enter		
MOVIE FILT		Movie Filter		
5.1 CH	5.1 Channel	5.1 Channel *		
SELECT	Input Select	Center Focus		
BACK	Bal. Check	Back		
TUNER	Tuner	Tuner	Tuner	
CD	CD	CD	CD	
TAPE 1	Tape 1	Tape Monitor		
TAPE 2	Tape 2	Tape 2	Tape 2	
PHONO/LD	Phono/Ld	Phono/LD	-	
VIDEO 1	Video 1	Video 1		
VIDEO 2 VIDEO 3	Video 2	Video 2		
	Video 3	Video 3	Aux 1	
AUX 1 AUX 2	Aux 1	Aux 1	Aux 1	
SHIFT	Aux 2	Aux 2		
M1	• •	-		
M2				
M3	. ———		-	
M4	. ————			
DEVICE		-	-	
PLTIOL				

Note: [SHIFT] button functions shown in italics

Remote Control Button	RMZ955	RCD991/971 RCD950/951/931 RCC945/955	RCD975/970/965 RCD955/945
	AUDIO 004	CD 001	CD 002
POWER	Standby		
VOL+	Volume +		
VOL –	Volume –		
MUTE	Mute		
PLAY	Play	Play	Play
STOP	Stop	Stop	Stop
SEARCH -	Rewind	Search -	Search -
SEARCH +	Fast Forward	Search +	Search +
PAUSE		Pause	Pause
RECALL		Open/Close	
GUIDE		Track -	Track -
MENU		Track +	Track +
PRE CH			
T/V	Fav. Station	· <del></del>	A - B
CH +	Preset +		
CH –	Preset –		
0		10	0
1		1 [Disc 1]	1
2		2 [Disc 2]	2
3		3 [Disc 3]	3
4		4 [Disc 4]	4
5		5 [Disc 5]	5
6		6 [Disc 6]	6
7		7	7
8	-	8	8
9		9	9
10		Plus 10	
ENTER	-	Disc Select	Disc Select
MOVIE FILT		Program	Program
5.1 CH			Time [Review]
SELECT	Select	Clear [Scan]	Clear [Scan]
BACK	Back	Random [Rep]	Random [Rep]
TUNER	Tuner		
CD	CD		
TAPE 1	Tape/SAT		
TAPE 2			
PHONO/LD			
VIDEO 1	Video/CD		
VIDEO 2	X		
VIDEO 3			
AUX 1			
AUX 2			
[SHIFT]	-		
M1	-		
M2	-		
M3	_		
M4			
DEVICE	_		
DEVICE			

### **Rotel Control Commands**

Remote RCD990 RMZ955 RCC935 Control RCC940 Button **CD 003 CD 004 CD 005** POWER VOL+ VOL -MUTE PLAY Play Play Play STOP Stop Stop Stop SEARCH -Search -Search -Skip -Search + SEARCH + Search + **PAUSE** Pause Pause RECALL Open/Close **GUIDE** Track -Track -MENU Track + Track + **PRE CH** T/V CH+ CH -0 1 1 [Disc 1] 1 2 2 [Disc 2] 3 [Disc 3] 4 [Disc 4] 5 5 [Disc 5] 5 6 6 [ 6 7 8 8 8 9 9 9 10 **ENTER** Disc Select **MOVIE FILT** Program Program Disc 5.1 CH Time [Review] Time [Review] SELECT Clear [Scan] BACK Random [Rep] Random [Rep] Random **TUNER** CD TAPE 1 TAPE 2 PHONO/LD VIDEO 1 VIDEO 2 VIDEO 3 AUX 1 AUX 2 [SHIFT] M1 M2 **M3 M**4

Note: [SHIFT] button functions shown in italics

_			
Remote	RD960	Pioneer LD	RMZ955
Control			
Button			
	TAPE 001	TAPE 002	TAPE 003
POWER		Power	Power
VOL+			
VOL –			
MUTE			
PLAY	Play	Play	Play
STOP	Stop	Stop	Stop
SEARCH -	Rewind	Rewind	Rewind
SEARCH +	Fast Forward	Fast Forward	Fast Forward
PAUSE	Pause	Pause	
RECALL	Record	Open/Close	
GUIDE			
MENU			
PRE CH			
T/V	<u> </u>		
CH +	<del>-</del> -	Skip +	
CH –		Skip –	
0	-, -	<u>omp</u>	
1	-		-
2			-
3			-
4	<u> </u>		
5			
6	<del>-</del>		
7	-		
	<del>-</del> ·	· <del></del>	
8	_		
9			
10			
ENTER	_		
MOVIE FILT	_		
5.1 CH			
SELECT			
BACK			
TUNER			
CD			
TAPE 1			
TAPE 2			
PHONO/LD			
VIDEO 1	_		
VIDEO 2			
VIDEO 3			
AUX 1			
AUX 2			
[SHIFT]		- <del>-</del>	
M1			
M2	_	-	-
M3			-
M4			
	-		

### Other Control Commands

Remote Control TV VCR CABLE Button **POWER** Power Power Power VOL+ Volume + Volume + VOL -Volume -Volume -MUTE Mute Mute PLAY Play Select Select STOP Down Stop Down SEARCH -Rewind Left Left Fast Forward SEARCH + Right Right **PAUSE** Up Pause Up RECALL Clear/Std. Record Exit **GUIDE** Display/Rec. Guide MENU Menu Menu Prev. Channel Prev. Channel **PRE CH** T/V TV/VCR TV/VCR Switch CH+ Channel + Channel + Channel + CH -Channel -Channel -Channel -0 0 0 1 1 2 2 2 3 3 4 4 5 5 6 6 6 7 8 8 9 9 Pay Per View 10 **ENTER** Enter Enter **MOVIE FILT** Sleep Timer Fav. Station 5.1 CH Info SELECT **Bypass** BACK Music **TUNER** Page + CD Day + TAPE 1 Day -TAPE 2 Page -PHONO/LD VIDEO 1 VIDEO 2 VIDEO 3 AUX 1 AUX 2 [SHIFT] M1 M2 **M3** 

Note: [SHIFT] button functions shown in italics

Remote Control Button	DVD	SAT
POWER	Power	Power
VOL+	Volume +	Volume +
VOL –	Volume –	Volume –
MUTE	Mute	Mute
PLAY	Play	Select
STOP	Stop	Down
SEARCH -	Search -	Left
SEARCH +	Search +	Right
PAUSE	Pause	Up
RECALL	Open/Close	Exit
GUIDE	Guide	Guide
MENU	Menu	Menu
PRE CH	Return	Prev. Channel
T/V		Switch
CH +	Skip +	Channel +
CH –	Skip –	Channel –
0		0
1		1
2	Up	2
3		3
4	Left	4
5		5
6	Right	6
7		7
8	Down	8
9		9
10		
ENTER	Enter	Enter
MOVIE FILT	Sub. On/Off	Fav. Station
5.1 CH	Display	Info
SELECT	Clear	Next
BACK		Alt
TUNER		
<u>CD</u>		
TAPE 1		
TAPE 2		
PHONO/LD		
VIDEO 1		
VIDEO 2		
VIDEO 3		
AUX 1		
AUX 2		
[SHIFT]		
M1		
M2		
M3		
M4		

**M**4



# **RR-939**

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